

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference newpatent	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/04794	International filing date (day/month/year) 29/10/2003	(Earliest) Priority Date (day/month/year) 29/10/2002
Applicant FU, Guoliang		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☒ furnished subsequently to this Authority in written form.

☒ furnished subsequently to this Authority in computer readable form.

☒ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☒ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

4
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04794

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 744 308 A (CLEUZIAT PHILIPPE ET AL) 28 April 1998 (1998-04-28) column 8, line 37 - column 11, line 66; claims; figure 1 column 14, lines 7-39	1-57
X	WO 91/04340 A (CAMBRIDGE BIOTECH CORP) 4 April 1991 (1991-04-04) pages 15-16; figure 4 figures 6,7	1-34,57

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

15 June 2004

Date of mailing of the international search report

28/06/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

CT/GB 03/04794

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TODD ALISON V ET AL: "DzyNA-PCR: Use of DNazymes to detect and quantify nucleic acid sequences in a real time fluorescent format"</p> <p>CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY. WINSTON, US, vol. 46, no. 5, May 2000 (2000-05), pages 625-630, XP002245984</p> <p>ISSN: 0009-9147</p> <p>page 629, last paragraph - page 630</p>	1-57
A	<p>GUATELLI J C ET AL: "ISOTHERMAL, IN VITRO AMPLIFICATION OF NUCLEIC ACIDS BY A MULTIENZYME REACTION MODELED AFTER RETROVIRAL REPLICATION"</p> <p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 87, March 1990 (1990-03), pages 1874-1878, XP002915000</p> <p>ISSN: 0027-8424</p> <p>page 1874 - page 1875; figure 1</p>	1-57
A	<p>ZHOU G ET AL: "Quantitative detection of single nucleotide polymorphisms for a pooled sample by a bioluminometric assay coupled with modified primer extension reactions (BAMPER)."</p> <p>NUCLEIC ACIDS RESEARCH. 1 OCT 2001, vol. 29, no. 19, 1 October 2001 (2001-10-01), page E93, XP002284369</p> <p>ISSN: 1362-4962</p> <p>page 2; figure 2</p>	1-57
A	<p>SCHWEITZER B ET AL: "Combining nucleic acid amplification and detection"</p> <p>CURRENT OPINION IN BIOTECHNOLOGY, LONDON, GB, vol. 12, no. 1, February 2001 (2001-02), pages 21-27, XP002255604</p> <p>ISSN: 0958-1669</p> <p>cited in the application</p> <p>the whole document</p>	1-57
A	<p>US 6 369 207 B1 (EKENBERG STEVEN J ET AL)</p> <p>9 April 2002 (2002-04-09)</p> <p>columns 27-28; figure 3</p> <p>columns 38-39</p>	1-57

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04794

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5744308	A	28-04-1998	FR 2724934 A1	29-03-1996
			AT 189264 T	15-02-2000
			CA 2159064 A1	27-03-1996
			DE 69514773 D1	02-03-2000
			DE 69514773 T2	07-09-2000
			DK 721988 T3	24-07-2000
			EP 0721988 A1	17-07-1996
			ES 2144110 T3	01-06-2000
WO 9104340	A	04-04-1991	WO 9104340 A1	04-04-1991
US 6369207	B1	09-04-2002	US 6090589 A	18-07-2000
			US 2002192677 A1	19-12-2002
			AT 159763 T	15-11-1997
			AU 694199 B2	16-07-1998
			AU 2022295 A	21-09-1995
			AU 8935798 A	07-01-1999
			AU 9165091 A	17-08-1992
			CA 2076750 A1	01-07-1992
			DE 69128077 D1	04-12-1997
			DE 69128077 T2	26-02-1998
			DK 519053 T3	20-07-1998
			EP 0519053 A1	23-12-1992
			ES 2108748 T3	01-01-1998
			JP 5505111 T	05-08-1993
			JP 3183510 B2	09-07-2001
			KR 231383 B1	15-11-1999
			WO 9212261 A1	23-07-1992

INTERNATIONAL SEARCH REPORT

national Application No

03/04794

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Rec'd PCT/PTO 18 APR 2005

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Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

national Application No

CT/03/04794

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INTERNATIONAL SEARCH REPORT

1st/2nd Application No

Γ/03/04794

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US 5744308	A	28-04-1998	FR	2724934 A1	29-03-1996
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			US	2002192677 A1	19-12-2002
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			WO	9212261 A1	23-07-1992